

The present invention provides for a multiple appearance directory number (MADN) group including terminals on both the public switched telephone network (PSTN) and a packet-switched network. The terminals within the MADN group are preferably on the PSTN and a packet-switched network under the control of the PSTN. While call signaling is centralized and provided by the PSTN, a full complement of PSTN services are available to the terminals on the packet-switched network. With centralized call control and access to services from the PSTN, IP terminals on the packet-switched network are treated as if they were PSTN terminals by PSTN elements, and are capable of implementing PSTN features and functions.